

**Technical Research and Development Institute
Japan Defense Agency**

| Report No. | Issue Date | Title | Research Center | Remarks |
|------------|-------------|---|-------------------|---------|
| 6716 | May/2000 | Outline of Exhaust Gas Cooling System of Engine Altitude Test Facility | The 3rd & Sapporo | |
| 6717 | May/2000 | Life Cycle of Energetic Materials(Part 2) Comparison Between Heat of Explosion for Aged Propellants and the Actual Firing Test Data for Aged Propellants | The 1st | |
| 6718 | | | | Missing |
| 6719 | June/2000 | A Study on the Reduction of Initial Stability Caused by Flooding | Naval System | |
| 6720 | June/2000 | Ignitability Evaluation of Gun Propellant Binders | The 1st | |
| 6721 | June/2000 | Study on the Simulation for Semi Automated Forces (1) | The 2nd | |
| 6722 | July/2000 | Test of Trisomic Wind-Tunnel (Part 2) | The 3rd & Sapporo | |
| 6723 | July/2000 | Study on Portable Power Supply Equipment Using the Flexible Solar Cell Sheet | The 2nd | |
| 6724 | July/2000 | Fatigue Crack Propagation Behavior of P/M Ni-base Superalloy Disk (Disk Bore Crack) | The 3rd | |
| 6725 | July/2000 | Measurements of Radioactive Dusts in High Altitude Air | The 1st | |
| 6726 | July/2000 | The Research on Elastic Wheel Mechanism | The 4th | |
| 6727 | July/2000 | The Diamond-ZnS Composite Infrared Window | The 2nd | |
| 6728 | August/2000 | A Study on a Tilt-Ducted-Fan Aircraft | The 3rd | |
| 6729 | August/2000 | Numerical Prediction of Maximum Lift Coefficient C _{lmax} on Two-Dimensional Turbulence Model | The 3rd | |
| 6730 | August/2000 | Performance and Heat Balance Analysis of Single Cylinder Diesel Engine Using Functionally Gradient Material for Fighting Vehicle | The 4th | |
| 6731 | August/2000 | Performance and Heat Balance of Single Cylinder Diesel Engine with Monolithic Combustion Chamber | The 4th | |
| 6732 | August/2000 | The Basic Study of Soil's Electromagnetic Character (1 st Report; MASA Soil's Conductivity) | The 4th | |
| 6733 | Sep/2000 | Multi-Range Resolution Radar with Effective Use of Sideband Spectrum Energy | The 2nd | |
| 6734 | Sep/2000 | A Study of the Ablation by the Impingement of the Supersonic Rocket motor Blast (The Effect of the Burning Time and the Rocket Motor Scale) | The 3rd | |

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|------------------------------|------------|---|------------------------|---------|
| 6735 | Sep/2000 | Study on the Damage due to Contact Detonations (Part 2) Effect of Detonation points on the Damage of Reinforced Concrete Slabs) | The 4th | |
| 6736 | Sep/2000 | Fracture Mechanism of Ceramics Matrix Composite Rotating Disk | The 3rd | |
| 6737 | Sep/2000 | Fatigue Crack Propagation Behavior of P/M Ni-Base Superalloy Disk (Bolt Hole Crack) | The 3rd | |
| 6738 | Sep/2000 | Cold Spin Test of Ceramics Matrix Composite Disks | The 3rd | |
| Received on June/2001 | | | | |
| 6739 | Sep/2000 | Performance of Uncooled Reverse-Flow Combustor with Ceramic Matrix Composite Liner | The 3rd | |
| 6740 | Sep/2000 | The Velocity of a Fluid Measurement of The Sand Dust Test | The 3rd | |
| 6741 | Sep/2000 | A Study on Aerodynamic Technology of Low Noise/High Performance Rotor System | The 3rd | |
| 6742 | Sep/2000 | Hydrodynamic Characteristics of the Scale Model of the Flow Noise Simulator | The 1st | |
| 6743 | Sep/2000 | A Study of Hybrid Combustion System (IM Characteristics) | The 3rd | |
| 6744 | Sep/2000 | A Study of Unmanned Ground Vehicle with High-Mobility Technology (Sensor Control and Signal Processing) | The 4th & 1st | |
| 6745 | | | | Missing |
| 6746 | Oct/2000 | A Method of Settlement Prediction for Military Bridges | The 4th | |
| 6747 | Oct/2000 | Engineering Manufacturing Development of Trisonic Wind-Tunnel (Part 3) | The 3rd & Sapporo | |
| 6748 | Oct/2000 | Engineering Manufacturing Development of Trisonic Wind-Tunnel (Air Storage Vessel) | The 3rd & Sapporo | |
| 6749 | Nov/2000 | The Improvement of Matching Accuracy Using Laid | The 2nd | |
| 6750 | Nov/2000 | Measurement of the Hydrodynamic Thrust Force of Flapping Wings | The 1st | |
| 6751 | Nov/2000 | Wave Contour Computations of a Box Barge Using the Thin Ship Theory | Technology Development | |
| 6752 | Nov/2000 | Historical Changes of Japanese Warship' Design | Technology Development | |
| 6753 | Nov/2000 | Path Planning for Robot Manipulator (1st Report) | The 4th | |
| Received on July/2001 | | | | |
| 6754 | Dec/2000 | An Experimental Study on the Burning Rate Characteristics of HNIW Propellants | The 3rd | |
| 6755 | Dec/2000 | Fast Calculation Method of the Radiation Characteristics for the Sonar Transducer Array by using Harmonic Wavelet Transform | The 5th | |
| 6756 | Dec/2000 | A Time Marching Panel Method for the Unsteady Flow around Three Dimensional Wings | The 1st | |

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|------------|------------|---|------------------------|---------|
| 6757 | Dec/2000 | Study on Performance of Diesel Engine Applied with Functionally Gradient Material Coated on the Surface of the Combustion Chamber | The 4th | |
| 6758 | Jan/2001 | The Basic Study of Soil's Electromagnetic Character (2 nd Report: MASA Soil's Relative Permeability) | The 1st & The 4th | |
| 6759 | Jan/2001 | A numeric-Simulation Study on a Closed Bomb Pressurized with Solid Propellants | The 3rd | |
| 6760 | Jan/2001 | The Wave Analysis of a Box Barge | Technology Development | |
| 6761 | Jan/2001 | High Resolution of Image by Inversion Method | The 2nd | |
| 6762 | Feb/2001 | YBaCuO Un-cooled Micro-bolometer IRFPA | The 2nd | |
| 6763 | Feb/2001 | Mechanical Properties of Advanced Ceramic Matrix Composite SiCf/SiC (Part II; Effect of Reinforcement Fiber and Woven Fabrics) | The 3rd | |
| 6764 | Mar/2001 | Dichromatic Holographic Optical Elements | The 2nd | |
| 6765 | Mar/2001 | Automatic Classification of Analogue Modulation Signals and QAM Signals | The 2nd | |
| 6766 | Mar/2001 | Test and Evaluation of High Definition FLIR System | The 2nd | |
| 6767 | Mar/2001 | Target Detection in Ground Clutter with 94GHz Stepped FM Radar | The 3rd | |
| 6768 | Apr/2001 | Transformation of Physical optics to the Boundary Integration in RCS Calculation | The 2 nd | |
| 6769 | Apr/2001 | The Method of Correcting Thermal Aberrations | The 2 nd | |
| 6770 | Apr/2001 | A Study on the Target Recognition by Ultra-Wideband Radar | The 2 nd | |
| 6771 | Apr/2001 | A Method of Settlement Prediction for Military Bridges | The 4 th | |
| 6772 | Jun/2001 | Evaluation of Bismuth Substituted Lanthanum Strontium Manganite for Bolometric Application | The 2 nd | |
| 6773 | Jun/2001 | Study on the Signal Processing for the Active Sonar by Using Wavelet Transform | The 5th | |
| 6774 | Jun/2001 | Prediction of Separation Angles Induced by Glancing Shock Wave/Turbulent Boundary Layer Interactions | The 3 rd | |
| 6775 | Jul/2001 | Study on Guidance Closed Loop-From the Point of View of Input Output Properties-Part I; Theoretical Analysis | The 3 rd | |
| 6776 | Aug/2001 | Mechanical Properties of 3-D Woven Ceramic Matrix Composite at Elevated Temperatures | The 3 rd | |
| 6777 | | | | Missing |
| 6778 | Aug/2001 | An Influence of Oceanic Internal Wave on Sound Transmission | The 5 th | |
| 6779 | Aug/2001 | The Dynamic Suction Force Acting on an High Speed Displacement Hull Form | Technology Development | |

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|------|----------|--|----------------------------------|---------|
| 6780 | | | | Missing |
| 6781 | Aug/2001 | Performance Test of Trisonic Wind Tunnel | Sapporo & The 3 rd | |
| 6782 | Aug/2001 | Measurements of Radioactive Dusts in High Altitude Air | The 1 st | |
| 6783 | Sep/2001 | Method of the Sensitivity Compensation for the IR Linear Array Sensor | The 2nd | |